Open Position: Technical Analyst

We are seeking a colleague to join our team as **Technical Analyst.**

If you are eager to work in innovations, love to deal with complexity, and if you are interested in working in but not limited to space, energy and technology sectors, then we look forward to hearing from you.

Position: Technical Analyst
Salary: Negotiable depending on experience
Hours: Full-time (potential for flexible working)
Location: London or Edinburgh or Cardiff (potential for flexible working)

Job Description

You will be passionate about data analytics, creative thinking and software development. Familiar with software languages you will work with engineers and the commercial team to propel current projects, and initiate new ones. The successful candidate will create models and simulations, analyse data from models and real-world tests and applications. Link with communications systems and electronics are strongly desirable, and the role.

Responsibilities

Delivery:
- To design models and simulations relating to communications and flight systems
- To ensure that safety-critical electronics are designed with fail-safe techniques and sufficient redundancy to meet predefined Product Assurance & Design Standards, such as the relevant ECSS, NTSS & RTCA standards.
- To be responsible for the delegated areas of project technical, certification & operational documentation- designing, developing and verifying systems.

Why Exotopic

- Be part of a fast-paced, dynamic and exciting environment, with enthusiastic people who love their work
- Have real responsibility for the design & development of technical subsystems.
- Develop new skills and competencies quickly through both role-specific external upskilling and on-the-job training.

Find out more about Exotopic on the last page and on **www.exotopic.com**

The Ideal Candidate

Qualifications and Experience

Essential:
- Ability to design models from scratch.
- Software skills such as Python and C++, Matlab Simulink.
- Degree in data science, software-related engineering or electronics ideally at Masters level.
- Minimum 3 years of industry experience.
- Strong experience with circuit design and simulation (e.g. SPICE based tools).
- Basic knowledge of electrical test equipment and UAS sensors.
- Experience with power distribution systems similar.

Preferred:
- Awareness of ECSS standards, and experience of projects through Phase 0/A To D/E.
- Experience with Altium PCB design software (or similar software).
- Experience with using common communication methods such as SPI, I2C etc.
- Familiarity with electrical interfaces and connection methods.
- Knowledge of RF electronics or Real-Time Operating Systems (RTOS) is a bonus.
- Knowledge of UAV platforms, like, Pixhawk, DJI, Ardupilot and PX4 is an advantage.

Desirable Skills and Qualities
- Excellent written English skills.
- Ability to prioritise and manage work to critical project timelines in a fast-paced startup environment.
- Open-minded and willing to engage in a variety of tasks/duties.
- Good Microsoft Office skills, Word, Excel and SharePoint.
- Positive and proactive 'can-do' attitude and ability to understand a 'new space' start-up environment.
- Ability to work both independently and as part of a team.

Apply

To apply: Please send your up-to-date CV with a short cover letter, explaining why this position is ideal for you, to **recruitment@exotopic.com**

1 I Investment
2 Bd Business development
3 Mi Market insights
4 St Specialist training

About Exotopic

Exotopic brings the necessary analytical skills and experience to translate complex technical information into key insights for business development and financing, making it simpler for stakeholders to assess and make informed decisions.
Our energetic and approachable in-house expertise and extensive networks across multiple domains, including space, defence, biotechnology and energy, allow us to offer comprehensive guidance and insights to our clients, leveraging our scientific foundations and deep understanding of technology, and applying it to commercial applications.

Exotopic's ability to research, analyse and develop practical and usable insights for both technical and non-technical audiences is a core strength of our business and the cornerstone of our expertise.

Thanks to Exotopic's comprehensive skillset, we run several support programmes with the UK Government and the European Space Agency, and we are the trusted business partner for other international and UK-based companies ranging from ground station networks to quantum-enabled semiconductor solutions.

Find out more about Exotopic and our projects on our website **www.exotopic.com**

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